



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

March 31, 1999

David B. Struhs  
Secretary

Mr. George D. Jennings  
Vice President of Engineering and Operations  
Hardee Power Partners, Ltd.  
P.O. Box 111  
Tampa, Florida, 33601-0111

Re: PROPOSED Title V Permit No.: 0490015-001-AV  
Hardee Power Station

Dear Mr. Jennings:

One copy of the "PROPOSED PERMIT DETERMINATION" for the Hardee Power Station located 3.5 miles north of State Road 62 on County Road 663, Fort Green Springs, Hardee County, is enclosed. This letter is only a courtesy to inform you that the DRAFT permit has become a PROPOSED permit.

An electronic version of this determination has been posted on the Division of Air Resources Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is <http://www2.dep.state.fl.us/air>.

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the PROPOSED permit is made by the USEPA within 45 days, the PROPOSED permit will become a FINAL permit no later than 55 days after the date on which the PROPOSED permit was mailed (posted) to USEPA. If USEPA has an objection to the PROPOSED permit, the FINAL permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

If you should have any questions, please contact Mr. Scott M. Sheplak, P.E. at 850/921-9532.

Sincerely,

C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/sms

Enclosures

copy furnished to:

Mr. Bill Thomas, FDEP, SWD  
Mr. Thomas Davis, PE, Environmental Consulting & Technology, Inc.  
Mr. Paul L. Carpinone, HPP  
Ms. Gracy Danois, USEPA, Region 4 (INTERNET E-mail Memorandum)  
Ms. Carla E. Pierce, USEPA, Region 4 (INTERNET E-mail Memorandum)

## **PROPOSED PERMIT DETERMINATION**

PROPOSED Permit No.: 0490015-001-AV

Page 1 of 3

### **I. Public Notice.**

An "INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" to Hardee Power Partners, Ltd. for Hardee Power Station located 3.5 miles north of State Road 62 on County Road 663, Fort Green Springs, Hardee County was clerked on October 29, 1998. The "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" was published in the Tampa Tribune on November 14, 1998. The DRAFT Title V Air Operation Permit was available for public inspection at the Southwest District Office in Tampa and the permitting authority's office in Tallahassee. Proof of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" was received.

### **II. Public Comment(s).**

Comments were received and the DRAFT Title V Operation Permit was changed. The comments were not considered significant enough to reissue the DRAFT Title V Permit and require another Public Notice. Comments were received from Hardee Power Partners, Ltd. during the 30 (thirty) day public comment period. Listed below is a response to each comment. The complete comment package is on file with the permitting authority.

A. Comments from Mr. John T. Duff dated December 10, 1998, and received on December 11, 1998.

#### **DRAFT Permit**

1. Page 2. The facility description is clarified.
2. Page 2. Pursuant to the power plant siting permit revision dated 08/16/95, the facility may expand to an ultimate generating capacity of 880 MW (nominal net). The PSD permit indicated 660 MW. The facility description is changed.
3. Page 3, Permitting note. The reference to department personnel testing is removed.
4. Page 3, Condition 4. No change; the condition is kept for future applicability and statewide consistency.
5. Page 4, Condition 8. The following is added to the end of the condition: "shall be taken as necessary."
6. Page 4, Condition 10. Added "Southwest" to the referenced compliance office.
7. Page 5. The emissions unit description is clarified.
8. Page 5, Permitting Note. The suggested grammatical change is made.

9. Page 6, Condition A.4. through A.9. Miscellaneous clarifications that the emissions limits apply to each CT are made.
10. Page 6, Condition A.10. The references to "MW" and quarterly calibrations are deleted.
11. Page 7, Condition A.11. The requested custom fuel monitoring schedule is added.
12. Page 7, Condition A.12. Consistent with the department's guidance memo on the testing of combustion turbines the condition is changed. The initial performance testing requirement is deleted.
13. Page 8, Condition A.15. No change is made in order to maintain consistency with other permits.
14. Page 9, Condition A.18. Changes are made to the testing frequency and methods.
15. Page 9, Condition A.19. through A.23. Page 11, Condition A.26. Deleted these conditions related to NSPS initial performance testing.
16. Page 11, Condition E.2. Reflected the sulfur content from NSPS of 0.8% by weight.
17. Page 12, Condition R.1. Clarified the condition and included appropriate compliance office.
18. Page 12., Conditions S.3, S.5. Obsolete duct module condition deleted.
19. Page 13., Condition G.1. Changed the reference from "turbine" to "CT".
20. Page 15, Conditions G.6. and G.7. Miscellaneous clarifications made.
21. Page 15, Condition G.9. Deleted; obsolete condition.
22. Page 16, Conditions G.10. and G.11. Conditions related to NSPS initial performance testing deleted.
23. Pages 17 through 22. Condition G.15., G.17., G.18., G.19., G.23. These conditions are not applicable; deleted.

#### **APPENDIX U-1**

24. Deleted reference to "small diesel fire pump".
25. Deleted reference to "three diesel peaking generators...".

**APPENDIX I-1**

26. Added the following to the list of insignificant activities/emissions units:

- 15. No. 2 fuel oil truck unloading equipment
- 16. Oil/Water separators
- 17. Lube oil vents associated with rotating equipment
- 18. Lube oil tank vents
- 19. Steam cleaning equipment
- 20. Water treatment degasifiers/dearators
- 21. Architectural (equipment) maintenance painting
- 22. Vehicular traffic on paved roads
- 23. Sand blasting and abrasive grit blasting where temporary total enclosures are used to contain particulate matter emissions

**TABLE 1-1**

27. The natural gas and oil limits are fixed. Added the CO hourly and annual rates.

**TABLE 2-1**

- 28. Added footnote.
- 29. Requested change of "SO<sub>2</sub>" to "sulfur" denied.
- 30. Added additional PM compliance methods.

**B. Miscellaneous changes made.**

- 1. Condition II.11. Updated the addressee for USEPA compliance reports.

**III. Conclusion.**

The permitting authority hereby issues the PROPOSED permit with any changes noted above.

**STATEMENT OF BASIS**  
Hardee Power Partners, Limited  
Hardee Power Station  
**Facility ID No. 0490015**  
Hardee County

Initial Title V Air Operation Permit  
**PROPOSED Permit No. 0490015-001-AV**

This permit is for the operation of the Hardee Power Station located on County Road 663, Fort Green Springs, in Hardee County; UTM Coordinates: Zone 17, 404.8 km East and 3,057.4 km North; Latitude: 22° 38' 02" North and Longitude: 81° 38' 02" West.

Hardee Power Partners, Limited (HPP) operates a nominal 295 megawatt (MW) electric generation facility located approximately nine miles northwest of Wauchula in Hardee County, Florida. The Hardee Power Station is comprised of three identical General Electric (GE) 7111EA combustion turbines CT-1A, CT-1B, and CT-2A. CT-1A and 1B are each equipped with a heat recovery steam generator (HRSG) which feed one, common steam turbine (ST). CT-2A is a simple cycle combustion turbine (CT). The facility utilizes pipeline natural gas as its primary fuel source with No. 2 distillate fuel oil serving as a backup fuel. The CT's are subject to 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines and are permitted under PSD-FL-140 and PA-89-25. As described in PA-89-25SA, the facility may expand to an ultimate generating capacity of 880 MW (nominal net).

The maximum permitted heat input rate to each CT is 1,312.3 MMBtu/hr while firing oil, and 1,268.4 MMBtu/hr while firing natural gas.

These emission units are regulated under Rule 62-210.300, F.A.C., Permits Required; NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted and incorporated by reference in Rule 62-204.800(7)(b)38., F.A.C.; NSPS - 40 CFR 60 Subpart A; Rule 212.400, F.A.C., Prevention of Significant Deterioration; PSD-FL-140; The units are not affected by the Acid Rain Program since they meet the requirements of 40 CFR 72.6(b)(6).

Also included in this permit are miscellaneous unregulated and insignificant emissions units and activities.

Based on the initial Title V permit application received June 13, 1996, this facility is a major source of hazardous air pollutants (HAPs).

Hardee Power Partners, Limited  
Hardee Power Station  
**Facility ID No. 0490015**  
Hardee County

Initial Title V Air Operation Permit  
**PROPOSED Permit No. 0490015-001-AV**

Permitting Authority:

State of Florida  
Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Title V Section

Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-1344  
Fax: 850/922-6979

Compliance Authority:

Department of Environmental Protection  
Southwest District Office

Initial Title V Air Operation Permit  
**PROPOSED Permit No. 0490015-001-AV**

**Table of Contents**

<b>Section</b>	<b>Page Number</b>
Placard Page .....	1
I. Facility Information .....	2
A. Facility Description.	
B. Summary of Emissions Units	
C. Relevant Documents.	
II. Facility-wide Conditions .....	3
III. Emissions Units and Conditions	
A. Emissions Units Brief Description.....	5



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Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

**Permittee:**  
Hardee Power Partners  
P.O. Box 111  
Tampa, Florida 33601-0111

**PROPOSED Permit No.** 0490015-001-AV  
**Facility ID No.** 0490015  
**SIC Nos.** 49, 4911  
**Project:** Initial Title V Air Operation Permit

This permit is for the operation of the Hardee Power Station located on County Road 663, Fort Green Springs, in Hardee County; UTM Coordinates: Zone 17, 404.8 km East and 3,057.4 km North; Latitude: 22° 38' 02" North and Longitude: 81° 38' 02" West.

**STATEMENT OF BASIS:** This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

Appendix U-1, List of Unregulated Emissions Units and Activities  
Appendix I-1, List of Insignificant Emissions Units and Activities  
APPENDIX TV-1, TITLE V CONDITIONS (version dated 12/02/97)  
APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)  
TABLE 297.310-1, CALIBRATION SCHEDULE (version dated 10/07/96)

**Effective Date:**  
**Renewal Application Due Date:**  
**Expiration Date:**

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Howard L. Rhodes, Director  
Division of Air Resources  
Management

HLR/sms/sw



## Section I. Facility Information

### Subsection A. Facility Description

Hardee Power Partners, Limited (HPP) operates a nominal 295 megawatt (MW) electric generation facility located approximately nine miles northwest of Wauchula in Hardee County, Florida. The Hardee Power Station is comprised of three identical General Electric (GE) 7111EA combustion turbines CT-1A, CT-1B, and CT-2A. CT-1A and 1B are each equipped with a heat recovery steam generator (HRSG) which feed one, common steam turbine (ST). CT-2A is a simple cycle combustion turbine (CT). The facility utilizes pipeline natural gas as its primary fuel source with No. 2 distillate fuel oil serving as a backup fuel. The CT's are subject to 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines and are permitted under PSD-FL-140 and PA-89-25. As described in PA-89-25SA, the facility may expand to an ultimate generating capacity of 880 MW (nominal net).

Also included in this permit are miscellaneous unregulated and insignificant emissions units and activities.

Based on the initial Title V permit application received June 13, 1996, this facility is a major source of hazardous air pollutants (HAPs).

### Subsection B. Summary of Emissions Units

#### E.U.

<u>ID No.</u>	<u>Brief Description</u>
001	Combustion Turbine 1A
002	Combustion Turbine 1B
003	Combustion Turbine 2A
004	Unregulated Emissions Units

### Subsection C. Relevant Documents

The documents listed below are not a part of this permit; however, they are specifically related to this permit.

These documents are provided to the Permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History/ID Number Changes

These documents are on file with the permitting authority:

Initial Title V Permit Application received June 13, 1996

## Section II. Facility-wide Conditions

### The following conditions apply facility-wide:

1. APPENDIX TV-1, TITLE V CONDITIONS, is a part of this permit.

{Permitting note: APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the Permittee only. Other persons requesting copies of these conditions shall be provided a copy when requested or otherwise appropriate.}

2. **Not federally enforceable.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard.

Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.

[Rules 62-296.320(4)(b)1. & 4., F.A.C.]

{Permitting Note: Although the Permittee is not required to perform a visible emissions compliance test to demonstrate compliance with the facility-wide limitations annually or before renewal, if the Department believes that the general visible emissions standard is being violated, the Department may require that the owner or operator perform a visible emissions compliance test per Chapter 62-297.310(7)(b), Special Compliance Tests.}

4. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the Permittee shall submit to the implementing agency:

- a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
- b. certification forms and/or RMPs according to the promulgated rule schedule.

[40 CFR 68]

5. Unregulated Emissions Units and Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit. [Rule 62-213.440(1), F.A.C.]

6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.

[Rules 62-213.440(1), 62-213.430(6) and 62-4.040(1)(b), F.A.C.]

7. General Pollutant Emission Limiting Standards. Volatile Organic Compounds Emissions or Organic Solvents Emissions. The Permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.

[Rule 62-296.320(1)(a), F.A.C.]

8. Reasonable precautions shall be taken to prevent emissions of unconfined particulate matter at this facility shall be taken as necessary.

[Rule 62-296.320(4)(c)2., F.A.C.]

9. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.

[Rule 62-213.440, F.A.C.]

10. The Permittee shall submit all compliance related notifications and reports required of this permit to the Department's Southwest District office:

Department of Environmental Protection  
Southwest District Office  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8218  
Telephone: 813/744-6100, Fax: 813/744-6084

11. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency  
Region 4  
Air, Pesticides & Toxics Management Division  
Air and EPCRA Enforcement Branch, Air Compliance Section  
61 Forsyth Street  
Atlanta, Georgia 30303  
Telephone: 404/562-9099, Fax: 404/562-9095

***Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.***

### Section III. Emissions Units and Conditions

#### E.U.

<u>ID No.</u>	<u>Brief Description</u>
001	Combustion Turbine 1A
002	Combustion Turbine 1B
003	Combustion Turbine 2A

Hardee Power Partners, Limited (HPP) operates a nominal 295 megawatt (MW) electric generation facility located approximately nine miles northwest of Wauchula in Hardee County, Florida. The Hardee Power Station is comprised of three identical General Electric (GE) model PG-7111EA combustion turbines: CT-1A, CT-1B, and CT-2A. CT-1A and 1B are each equipped with a heat recovery steam generator (HRSG) which feed one, common steam turbine (ST). CT-2A is a simple cycle combustion turbine (CT). CT-1A and CT-2A are each equipped with a stack to bypass each unit's HRSG.

The facility utilizes pipeline natural gas as its primary fuel source with No.2 distillate fuel oil serving as a backup fuel. The CT's are subject to 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, and are permitted under PSD-FL-140 and PA-89-25. The facility may expand to an ultimate generating capacity of 880 MW (nominal net). Water injection is used to reduce NOx emissions. The maximum permitted heat input rate to each CT is 1,312.3 MMBtu/hr while firing oil, and 1,268.4 MMBtu/hr while firing natural gas.

{Permitting notes: These emission units are regulated under Rule 62-210.300, F.A.C., Permits Required; NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted and incorporated by reference in Rule 62-204.800(7)(b)38., F.A.C.; NSPS - 40 CFR 60 Subpart A; Rule 212.400, F.A.C., Prevention of Significant Deterioration; PSD-FL-140; The units are not affected by the Acid Rain Program since they meet the requirements of 40 CFR 72.6(b)(6).}

#### Essential Potential to Emit (PTE) Parameters

**A.1. Permitted Capacity.** The maximum heat input to each combustion turbine at an ambient temperature of 32°F shall not exceed 1,312.3 MMBtu/hr while firing fuel oil, nor 1,268.4 MMBtu/hr while firing natural gas.

[PSD-FL-140]

**A.2. Methods of Operation - Fuels.** The only fuels to be burned in this unit are natural gas or No. 2 fuel oil. The annual average sulfur content of the fuel oil shall not exceed 0.3 percent by weight; the maximum sulfur content shall not exceed 0.5%.

[Rules 62-213.440(1), F.A.C.; PSD-FL-140]

**A.3. Hours of Operation.**

This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.

[Rule 62-210.400, F.A.C.]

**Emission Limitations and Standards**

{Permitting Note: The attached Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

**A.4. Nitrogen Oxides.** NO<sub>x</sub> emissions from each CT shall not exceed:

a. 42 ppmvd at 15% O<sub>2</sub> and 215.9 lb./hour while firing natural gas;

b. 65 ppmvd at 15% O<sub>2</sub> and 383.8 lb./hour while firing fuel oil.

[PSD-FL-140]

**A.5. Sulfur Dioxide.** SO<sub>2</sub> emissions from each CT shall not exceed 35.8 lb./hour while firing natural gas and 734.4 lb./hour while firing fuel oil.

[PSD-FL-140]

**A.6. Particulate Matter/PM<sub>10</sub>.** PM/PM<sub>10</sub> emissions from each CT shall not exceed 5 lb./hour while firing natural gas and 10 lb./hour while firing fuel oil.

[PSD-FL-140]

**A.7. Carbon Monoxide.** CO emissions from each CT shall not exceed 10 ppmvd and 31.3 lb/hr while firing natural gas and 26 ppmvd and 93.4 lb/hr while firing fuel oil.

[PSD-FL-140]

**A.8. Volatile Organic Compounds.** VOC emissions from each CT shall not exceed 2 ppmvd and 3.6 lb/hr while firing natural gas and 5 ppmvd and 10.3 lb/hr while firing fuel oil.

[PSD-FL-140]

**A.9. Visible Emissions.** Visible emissions from each CT shall not exceed 10 percent opacity while burning natural gas and 20 percent opacity when burning fuel oil.

[PSD-FL-140]

**Monitoring Requirements**

**A.10. CMS Requirements.** The Permittee shall install, operate, and maintain a continuous monitoring system (CMS) to monitor and record the fuel consumption, the ratio of water to fuel being fired in the turbine. The system shall be accurate to within  $\pm 5.0$  percent and shall be approved by the Department.

[40 CFR 60.334(a)]

**A.11. Critical Fuel Parameters.** The Permittee shall monitor sulfur content and nitrogen content of the fuel being fired in the turbine. Pursuant to the custom monitoring schedule provisions of 40 CFR 60.334(b)(2), the frequency of determination of these values shall be as follows:

a. Monitoring of the nitrogen content of No. 2 fuel oil is not required. Sulfur content of distillate fuel oil shall be determined for each shipment of No. 2 fuel oil received; and

b. Monitoring of the nitrogen content of pipeline natural gas is not required. Sulfur content of pipeline natural gas will be based on twice-monthly analyses provided by the natural gas supplier.

[40 CFR 60.334(b)(1)&(b)(2)]

### **Test Methods & Procedures**

**A.12.** Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90 to 100 percent of the manufacturer's rated heat input achievable for the average ambient (or conditioned) air temperature during the test. If it is impracticable to test at capacity, then sources may be tested at less than capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Data, curves, and calculations necessary to demonstrate the heat input rate correction at both design and test conditions shall be submitted to the Department with the compliance test report. If testing shows that NOx emissions exceed the Subpart GG standard when operating at capacity, the Department may require a performance test in accordance with 40 CFR 60.335 testing procedures.

[Rule 62-4.070(3), F.A.C. and 40 CFR 60.8(a)]

**A.13. Required Number of Test Runs.** For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his or her designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20 percent below the allowable emission limiting standards.

[Rule 62-297.310(1), F.A.C.]

**A.14. Calculation of Emission Rate.** The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the separate test runs unless otherwise specified in a particular test method or applicable rule.

[Rule 62-297.310(3), F.A.C.]

**A.15. Applicable Test Procedures.**

**(a) Required Sampling Time.**

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes.

2. Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

Exceptions to these requirements are as follows:

a. (not applicable)

b. (not applicable)

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

**(b) Minimum Sample Volume.** Unless otherwise specified in the applicable rule, the minimum sample volume per run shall be 25 dry standard cubic feet.

**(c) Required Flow Rate Range.** For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

**(d) Calibration of Sampling Equipment.** Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1. (See attachment.)

**(e) Allowed Modification to EPA Method 5.** When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube.

[Rule 62-297.310(4), F.A.C.]

**A.16. Special Compliance Tests.** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C., SIP approved]

**A.17. Waiver of Compliance Test Requirements.** If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance of the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of Rule 62-297.310(7)(b), F.A.C., shall apply.  
[Rule 62-297.310(7)(c), F.A.C., SIP approved]

**A.18.** An annual compliance test shall be performed on each CT if the CT operated for more than 400 hours in the preceding 12-month period. Annual compliance tests shall be performed on the CT's while firing natural gas if No. 2 fuel oil was used for 400 hours or less in the preceding 12-month period. Annual compliance tests shall be performed on the CTs while firing No. 2 fuel oil if the No. 2 fuel was used for more than 400 hours in the preceding 12-month period. Tests shall be conducted using the following EPA reference methods in accordance with 40 CFR 60, Appendix A, as adopted by reference in Chapter 62-297, F.A.C.:

- a. Reference Method 5, 5B or 17 for PM (oil only).
- b. Reference Method 9 for VE.
- c. Reference Method 10 for CO.
- d. Reference Method 20 for NO<sub>x</sub>.
- e. Reference Method 25A for VOC.
- f. Other methods may be used for compliance testing after obtaining prior Departmental approval, in writing.

[Rule 62-297.310(7)(a)(4), F.A.C., PSD-FL-140]

**A.19. Sulfur Content.** The Permittee shall determine compliance with the sulfur content standard in 40 CFR 60.333(b) as follows: ASTM D 2880-96, or more recent version, shall be used to determine the sulfur content of liquid fuels and ASTM D 1072-90(94)E-1, D 3031-81(86), D 4084-94, or D 3246-92, or more recent versions, shall be used for the sulfur content of gaseous fuels (incorporated by reference-see 40 CFR 60.17). The applicable ranges of some ASTM methods mentioned above are not adequate to measure the levels of sulfur in some fuel gases.

Dilution of samples before analysis (with verification of the dilution ratio) may be used, subject to the approval of the Department.

[40 CFR 60.335(d)]

**A.20.** To meet the requirements of 40 CFR 60.334(b), the owner or operator shall use the methods specified in 40 CFR 60.335 (a) and 40 CFR 60.335(d) of 40 CFR 60.335 to determine the nitrogen and sulfur contents of the fuel being burned. The analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency. [40 CFR 60.335(e)]



### **Excess Emissions**

{Permitting Note: The Excess Emissions Rule at 62-210.700, F.A.C., cannot vary any requirement of a NSPS provision.}

**E.1.** Excess emissions from the CTs resulting from start-up, shutdown, malfunction, or load change shall be acceptable providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for a longer duration. [Rule 62-210.700(1), F.A.C.]

**E.2. Excess Emissions Defined.** For the purpose of reports required under 40 CFR 60.7(c) (see specific conditions G.1 through G.4.), periods of excess emissions that shall be reported are defined as follows:

a. *Nitrogen oxides.* Any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with 40 CFR 60.332 by the performance test required in 40 CFR 60.8 or any period during which the fuel-bound nitrogen of the fuel is greater than the maximum nitrogen content allowed by the fuel-bound nitrogen allowance used during the performance test required in 40 CFR 60.8. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, gas turbine load, and nitrogen content of the fuel during the period of excess emissions, and the graphs or figures developed under 40 CFR 60.335(a).

b. *Sulfur dioxide.* Any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 percent by weight.  
[40 CFR 60.60.334(c)(1)&(2)]

### **Reporting and Recordkeeping Requirements**

**R.1.** Two copies of the results of the annual compliance emission tests required by Condition **A.18.** shall be submitted within forty-five days of the last sampling run to the Southwest District office in Tampa. All reports shall be in a format consistent with and shall include the information in accordance with Rule 62-297.310 (8), F.A.C.  
[Rule 62-297.310(8), F.A.C.]

### **Special Conditions**

**S.1.** On or before April 1 of each year, the Permittee shall submit to DARM and the Department's Southwest District Office an annual report for the previous year showing:

1. The annual average capacity factor (CF) for each individual generating unit;
2. The cumulative lifetime average CF for each individual generating unit;
3. The annual average CF for the Hardee Power Station; and,
4. The cumulative lifetime average CF for the Hardee Power Station.

The annual average CF shall be calculated by dividing each unit's megawatt hours output of generation by the product of the official megawatt rating of the unit and the number of hours in a year. Cumulative lifetime average CF shall be calculated by dividing the cumulative total of megawatt hours output of generation by the product of the official combined cycle megawatt rating and the cumulative period of hours since commercial operation.

[PSD-FL-140]

**S.2.** To determine compliance with the capacity factor condition, the Permittee shall maintain daily records of power generation for each turbine.

[PSD-FL-140]

**S.3.** Should any annual report demonstrate that the cumulative lifetime CF for the Hardee Power Station exceeds 60% at any time, the Permittee shall install SCR or another technology of equal or greater NOx reduction capability. In no event shall any such SCR or equivalent NOx control technology installation and compliance testing occur later than 30 months from the date that the Permittee requested or the facility exceeded the 60% cumulative average CF.

[PSD-FL-140]

**S.4.** If start/black start capability for the CT's is provided by a combustion unit, the Department shall be notified of the type and model, output capacity, anticipated hours of operation, and the air emissions of the unit.

[PSD-FL-140]

#### **General Provisions - 40 CFR 60 Subpart A**

**G.1. Excess Emissions Report.** The Permittee shall record the occurrence and duration of any startup, shutdown, or malfunctions of the CT and any malfunction of the air pollution control equipment or CMS. Additionally, the Permittee shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[40 CFR 60.7(b) and Rule 62-210.700(6), F.A.C.]

**G.2. Quarterly Report.** The Permittee shall submit a quarterly excess emissions and monitoring systems performance report. All reports shall be postmarked by the 30th day following the end of each calendar half (or quarter, as appropriate). Written reports of excess emissions shall include the following information:

1. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

2. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

3. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

4. When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

[40 CFR 60.7(c)]

**G.3. Summary Report.** The summary report form shall contain the information and be in the format shown in Figure 1 (attached) unless otherwise specified by the Department. One summary report form shall be submitted for each pollutant monitored.

1. If the total duration of excess emissions for the reporting period is less than one percent of the operating time for the reporting period and CMS downtime for the reporting period is less than five percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Department.

2. If the total duration of excess emissions for the reporting period is one percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is five percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted.

[40 CFR 60.7(d)]

**G.4. Reporting Frequency.** (1) Notwithstanding the frequency of reporting requirements specified in 40 CFR 60.7(c), an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the following conditions are met:

(i) For 1 full year (e.g., 4 quarterly or 12 monthly reporting periods) the affected facility's excess emissions and monitoring systems reports submitted to comply with a standard under 40 CFR 60 continually demonstrate that the facility is in compliance with the applicable standard;

(ii) The owner or operator continues to comply with all recordkeeping and monitoring requirements specified in 40 CFR 60, Subpart A, and the applicable standard; and

(iii) The Department does not object to a reduced frequency of reporting for the affected facility, as provided in 40 CFR 60.7(e)(2).

(2) The frequency of reporting of excess emissions and monitoring systems performance (and summary) reports may be reduced only after the owner or operator notifies the Department in writing of his or her intention to make such a change and the Department does not object to the intended change. In deciding whether to approve a reduced frequency of reporting, the Department may review information concerning the source's entire previous performance history during the required recordkeeping period prior to the intended change, including performance test results, monitoring data, and evaluations of an owner or operator's conformance with operation and maintenance requirements. Such information may be used by the Department to

make a judgment about the source's potential for noncompliance in the future. If the Department disapproves the Permittee's request to reduce the frequency of reporting, the Department will notify the Permittee in writing within 45 days after receiving notice of the owner or operator's intention. The notification from the Department to the Permittee will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(3) As soon as monitoring data indicate that the affected facility is not in compliance with any emission limitation or operating parameter specified in the applicable standard, the frequency of reporting shall revert to the frequency specified in the applicable standard, and the Permittee shall submit an excess emissions and monitoring systems performance report (and summary report, if required) at the next appropriate reporting period following the noncomplying event. After demonstrating compliance with the applicable standard for another full year, the Permittee may again request approval from the Department to reduce the frequency of reporting for that standard as provided for in 40 CFR 60.7(e)(1) and (e)(2).

[40 CFR 60.7(e)]

**G.5. Records Retention.** The Permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices and, all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least 5 (five) years following the date of such measurements, maintenance, reports, and records.

[40 CFR 60.7(f); Rule 62-213.440(1)(b)2.b., F.A.C.]

**G.6.** If requested by the Department pursuant to Condition A.12., performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR 60, Subpart GG unless the Department (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Department's satisfaction that the affected facility is in compliance with the standard, or (3) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in 40 CFR 60.8 shall be construed to abrogate the Department's authority to require testing under section 114 of the Act.

[40 CFR 60.8(b)(1), (4) & (5)]

**G.7.** If requested by the Department pursuant to Condition A.12., performance tests shall be conducted under such conditions as the Department shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Department such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in

excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

[40 CFR 60.8(c)].

**G.8. Department Notification.**

(a) The Permittee shall provide to the Department's Southwest District office at least 15 days prior notice of any compliance or performance test, except as specified under other subparts, to afford the District office the opportunity to have an observer present. Test results shall be submitted to the District office no later than 45 days after completion of the test.

(b) The Permittee shall give written notification to the Department when there is any modification to this facility. This notice shall be submitted timely and in advance of any critical date involved to allow sufficient time for review, discussion, and revision of plans, if necessary. Such notice shall include, but not be limited to, information describing the precise nature of the change; modifications to any emission control system; production capacity of the facility before and after the change and, the anticipated completion date of the change.

[40 CFR 60.8(d) and Rule 62-297.310(7)(a)8., F.A.C.]

**Compliance with Standards and Maintenance Requirements**

**G.9:** The Permittee shall follow the manufacturer's instructions during periods of start-up, shutdown, malfunction, or load change to ensure that the best operational practices to minimize emissions will be adhered to and the duration of any excess emissions will be minimized. The instructions shall be kept on file at the plant site and made available for inspection upon request by the Department.

[40 CFR 60.11(d)]

**G.10. Credible Evidence.** For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in 40 CFR 60, nothing in 40 CFR 60 shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[40 CFR 60.11(g)].

**G.11. Circumvention.** No owner or operator subject to the provisions of 40 CFR 60 shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[40 CFR 60.12]

### Monitoring Requirements

**G.12.** After receipt and consideration of written application, the Department may approve alternatives to any monitoring procedures or requirements of 40 CFR 60 including, but not limited to the following:

(1) Alternative monitoring requirements when installation of a continuous monitoring system or monitoring device specified by 40 CFR 60 would not provide accurate measurements due to liquid water or other interferences caused by substances with the effluent gases.

(2) Alternative monitoring requirements when the affected facility is infrequently operated.

(3) Alternative monitoring requirements to accommodate continuous monitoring systems that require additional measurements to correct for stack moisture conditions.

(4) Alternative locations for installing continuous monitoring systems or monitoring devices when the owner or operator can demonstrate that installation at alternate locations will enable accurate and representative measurements.

(5) Alternative methods of converting pollutant concentration measurements to units of the standards.

(6) Alternative procedures for performing daily checks of zero and span drift that do not involve use of span gases or test cells.

(7) Alternatives to the ASTM test methods or sampling procedures specified by any subpart.

(8) Alternative continuous monitoring systems that do not meet the design or performance requirements in Performance Specification 1, 40 CFR 60 appendix B, but adequately demonstrate a definite and consistent relationship between its measurements and the measurements of opacity by a system complying with the requirements in Performance Specification 1. The Department may require that such demonstration be performed for each affected facility.

(9) Alternative monitoring requirements when the effluent from a single affected facility or the combined effluent from two or more affected facilities are released to the atmosphere through more than one point.

[40 CFR 60.13(i)].

### Modifications

**G.13.** The addition of an affected facility to a stationary source as an expansion to that source or as a replacement for an existing facility shall not by itself bring within the applicability of 40 CFR 60 any other facility within that source.

[40 CFR 60.14(c)].

**G.14.** Special provisions set forth under an applicable subpart of 40 CFR 60 shall supersede any conflicting provisions of this section.

[40 CFR 60.14(f)].

## Appendix U-1, List of Unregulated Emissions Units and Activities

Hardee Power Partners  
Hardee Power Station

**PROPOSED Permit No. 0490015-001-AV**

Unregulated Emissions Units and Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

The below listed emissions units and activities are neither “regulated emissions units” nor “insignificant emissions units”.

### E.U.

<u>ID No.</u>	<u>Brief Description of Emissions Units and Activities</u>
004	One 4.4 million gallon No.2 fuel oil tank

## Appendix I-1, List of Insignificant Emissions Units and Activities

Hardee Power Partners  
Hardee Power Station  
Page 1 of 2

PROPOSED Permit No. 0490015-001-AV

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rule 62.210.300(3)(a), F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

### Brief Description of Emissions Units and Activities

1. Internal combustion engines in boats, aircraft and vehicles used for transportation of passengers or freight.
2. Cold storage refrigeration equipment, except for any such equipment located at a Title V source using an ozone-depleting substance regulated under 40 CFR Part 82.
3. Vacuum pumps in laboratory operations.
4. Equipment used for steam cleaning.
5. Belt or drum sanders having a total sanding surface of five square feet or less and other equipment used exclusively on wood or plastics or their products having a density of 20 pounds per cubic foot or more.
6. Equipment used exclusively for space heating, other than boilers.
7. Laboratory equipment used exclusively for chemical or physical analyses.
8. Brazing, soldering or welding equipment.
9. One or more emergency generators located within a single facility provided:
  - a. None of the emergency generators is subject to the Federal Acid Rain Program; and
  - b. Total fuel consumption by all such emergency generators within the facility is limited to 32,000 gallons per year of diesel fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.
10. One or more heating units and general purpose internal combustion engines located within a single facility provided:
  - a. None of the heating units or general purpose internal combustion engines is subject to the Federal Acid Rain Program; and
  - b. Total fuel consumption by all such heating units and general purpose internal combustion engines within the facility is limited to 32,000 gallons per year of diesel



## Appendix I-1, List of Insignificant Emissions Units and Activities

Hardee Power Partners  
Hardee Power Station  
Page 2 of 2

PROPOSED Permit No. 0490015-001-AV

fuel, 4,000 gallons per year of gasoline, 4.4 million standard cubic feet per year of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.

11. Fire and safety equipment.
12. Surface coating operations within a single facility if the total quantity of coatings containing greater than 5.0 percent VOCs, by volume, used is 6.0 gallons per day or less, averaged monthly, provided:
  - a. Such operations are not subject to a volatile organic compound Reasonably Available Control Technology (RACT) requirement of Chapter 62-296, F.A.C.; and
  - b. The amount of coatings used shall include any solvents and thinners used in the process including those used for cleanup.
13. Surface coating operations utilizing only coatings containing 5.0 percent or less VOCs, by volume.
14. Degreasing units using heavier-than-air vapors exclusively, except any such unit using or emitting any substance classified as a hazardous air pollutant.
15. No. 2 fuel oil truck unloading equipment
16. Oil/Water separators
17. Lube oil vents associated with rotating equipment
18. Lube oil tank vents
19. Steam cleaning equipment
20. Water treatment degasifiers/dearators
21. Architectural (equipment) maintenance painting
22. Vehicular traffic on paved roads
23. Sand blasting and abrasive grit blasting where temporary total enclosures are used to contain particulate matter emissions

Note: No exemption shall be granted to any emissions unit or activity if:

1. Such unit or activity would be subject to any unit-specific applicable requirement;
2. Such unit or activity, in combination with other units and activities proposed for exemption, would cause the facility to exceed any major source threshold(s) as defined in Rule 62-213.420(3)(c)1., F.A.C., unless it is acknowledged in the permit application that such units or activities would cause the facility to exceed such threshold(s); or
3. Such unit or activity would emit or have the potential to emit:
  - a. 500 pounds per year or more of lead and lead compounds expressed as lead;
  - b. 1,000 pounds per year or more of any hazardous air pollutant;
  - c. 2,500 pounds per year or more of total hazardous air pollutants; or
  - d. 5.0 tons per year or more of any other regulated pollutant.

[Rule 62-213.430(6), F.A.C.]

**Table 1-1, Summary of Air Pollutant Standards and Terms**

Hardee Power Partners, Ltd.  
Hardee Power Station

**PROPOSED Permit # 0490015-001-AV**  
**Facility ID # 0490015**

This table summarizes information for convenience purposes only, & does not supersede any terms or conditions of this permit.

**E.U. 001, 002, 003 CT-1A, CT-1B, CT-2A**

Pollutant/Parameter	Fuel	Hours/Year	Allowable Emissions for each CT			Equivalent Emissions		Regulatory Citations	See Permit Condition
			Standard	lbs./hour	TPY	lbs./hour	TPY		
SO2	gas			35.8	156.80			PSD-FL-140	A.2, A.5
SO2	#2 oil		0.5% max sulfur content	734.4	3216.7				
PM	gas			5	21.9			PSD-FL-140	A.6
	#2 oil			10	43.8				
CO	#2 oil		10 ppmvd	93.4	409.1			PSD-FL-140	A.7
	gas		26 ppmvd	31.3	137.1				
NOx	#2 oil		65 ppmvd	383.3	1678.9			PSD-FL-140	A.4
	gas		42 ppmvd	215.9	945.6				
VE	#2 oil		20%					PSD-FL-140	A.9
	gas		10%						
VOC	#2 oil		5 ppmvd	10.3	45.1			PSD-FL-140	A.8
	gas		2 ppmvd	3.6	15.8				

Notes:

**Table 2-1, Summary of Compliance Requirements**

Hardee Power Partners, Ltd.  
Hardee Power Station

PROPOSED Permit # 0490015-001-AV  
Facility ID # 0490015

This table summarizes information for convenience purposes only, & does not supersede any terms or conditions of this permit.  
E.U. 001, 002, 003                      CT-1A, CT-1B, CT-2A

Pollutant/ Parameter	Fuel	Compliance Method	Frequency of Sampling ***	Frequency Base Date *	Min. Compliance Test Duration	CMS**	Permit Condition
SO2	#2 oil	ASTM D2880-96 or equivalent	After each fuel oil shipment	Per 40 CFR 60.334			A.19
	gas	ASTM 4084-94 or equivalent					
PM	#2 oil	EPA Method 5, 5B, or 17	annual				A.18
VE	#2 oil	DEP Method 9	annual				A.18
CO	#2 oil	EPA Method 10	annual				A.18
NOx	#2 oil	EPA Method 20	annual				A.18
VOC		EPA Method 25A	annual				A.18

**Notes:**

\*Frequency base date established for planning purposes only; see Rule 62-297.310, F.A.C.

\*\*CMS = continuous monitoring system

\*\*\*Annual testing while firing natural gas is required if #2 fuel oil was used for 400 hours or less during the preceding 12-month period and that annual testing while firing #2 fuel oil is required if #2 fuel oil was used for more than 400 hours.

## Appendix H-1, Permit History

Hardee Power Partners, Ltd.  
Hardee Power Station

PROPOSED Permit No. 0490015-001-AV

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### Permit History

E.U.

<u>ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date</u>	<u>Revised Date</u>
001	CT-1A	PSD-FL-140/PA 89-25	02/24/92			
002	CT-1B	PSD-FL-140/PA 89-25	02/24/92			
003	CT-2A	PSD-FL-140/PA 89-25	02/24/92			

Seminole Electric Cooperative, Inc. PA-89-25SA 08/16/95

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### Notes:

Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V sources to operate under existing valid permits.